Many biometricians are directly involved in both teaching and applied/theoretical research. While there is commonly cross-fertilization between the two activity areas, the connection may be anecdotal, or episodic, although the advantages of a broader integration of the two areas is clearly recognized. We describe two WEB sites developed for research projects with an eye for their use in teaching. The first site describes a longitudinal study designed to quantify seasonal variation in serum cholesterol. The second site describes investigation of methods for estimating realized random effects in clustered randomized trials. Through these case studies, we describe both positive and negative aspects of the sites design, maintenance, and functionality.